

Technical Bulletin



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Cancels: N/A

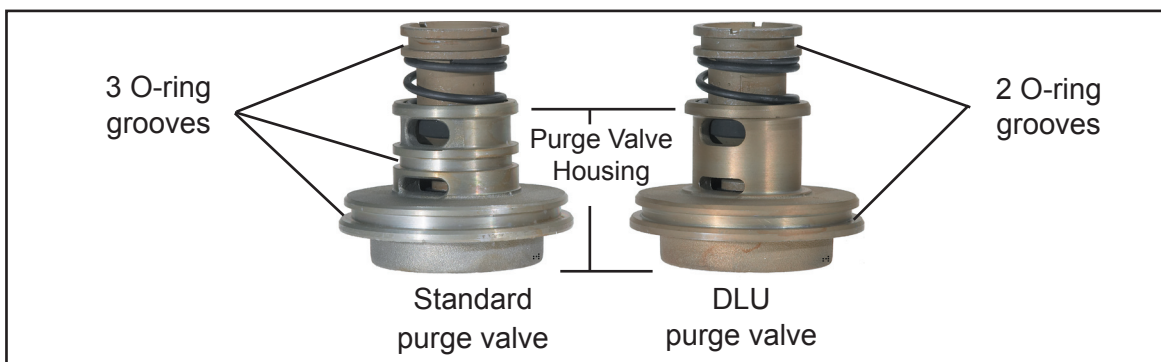
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Subject: **Bendix® AD-IP™ & AD-IS® Purge Valve Maintenance Kits**

The Bendix® AD-IP™ & AD-IS® air dryers are available as a standard air dryer and as a DLU discharge line unloader model. The functions of these air dryers (Standard vs. DLU) and their internal components are different. The standard air dryer cuts off the supply air from compressor to the air dryer when the compressor is in the unloaded mode, while the DLU air dryer utilizes a purge valve to bleed off the excess air instead of unloading the compressor. Externally the standard and DLU versions of each air dryer configuration are identical in appearance; however the DLU style air dryer often has a silencer on the exhaust port.

The purge valve assembly of the standard air dryer contains three O-rings and the DLU version contains only two. If a replacement DLU purge valve assembly (2 O-rings) is installed in a standard air dryer the air inlet to the dryer will not be cut off during the unloaded cycle, but will be exhausted through the bottom of the dryer. If a replacement standard purge valve assembly (3 O-rings) is installed on a DLU style air dryer, the air compressor will continue to build pressure in the line between the compressor and air dryer until the compressor safety valve opens or the purge valve relieves excess pressure. This causes a repeating, popping sound from the air compressor or air dryer, but may be muffled if an air dryer silencer is installed.

When servicing either air dryer, it is important to use the proper components or kits. Below is a listing of the air dryer purge valve kits and a side-by-side comparison of the purge valves.



Purge Valve Replacement Kits:

Contains a complete purge valve assembly, o-rings, retaining ring and lubricant.

Pc. No.	Comments
<u>Standard Air Dryer - Purge Valve Rep. Kit</u>	
800404	
5017687	Arctic (low temperature)
5003548	Reman.
<u>DLU Air Dryer- Purge Valve Rep. Kit</u>	
5009650	DLU

Purge Valve Maintenance Kits:

Contains all of the components in the purge valve replacement kit except the purge valve housing. All of the components are loose and must be assembled using the existing purge valve housing.

Pc. No.	Comments
<u>Standard Air Dryer - Purge Valve Maint. Kit</u>	
5003547	
5017682	Arctic (low temperature)

Purge Valve O-Ring Kit:

Contains the o-rings, retaining ring and lubricant to service the standard or DLU style purge valve.

Pc. No.	Comments
<u>Standard or DLU Purge Valve O-Ring Kit</u>	
5018313	